

# 1975 Index by Subject to Algorithms

Algorithms published elsewhere are included. Each entry gives the key to the classification system categories (A1, B1, ...); the number of the algorithm if in CACM/TOMS (starting with Algorithm 493, June 1975); abbreviated title with language designator (A for Algol, F for Fortran, etc.); then month, year, page (in parentheses) in CACM/TOMS, or if published elsewhere, journal designator, volume, year, page (in parentheses). A cumulative index to algorithms published in CACM/TOMS from 1960 through 1974 may be consulted in "Collected Algorithms from ACM," which is a looseleaf collection of all the algorithms, each with certifications and remarks, if any, appended.

ABBREVIATIONS FOR OTHER SOURCES		
AL	ARGONNE NATIONAL LABORATORY, NATS PROJECT	
AS	APPLIED STATISTICS	
BT	B.I.T.	
CC	COMPUTER PHYSICS COMMUNICATIONS	
CJ	COMPUTER JOURNAL	
CP	COMPUTING	
HA	U.K.A.E.A., HARWELL, REPORTS	
JC	JOURNAL OF THE ASSOCIATION FOR COMPUTING MACHINERY	
MC	MATHEMATICS OF COMPUTATION	
NM	NUMERISCHE MATHEMATIK	
ZM	ZASTOSOWANIA MATEMATYKI	
LANGUAGE CODE		
A	ALGOL	
B	BASIC	
F	FORTHAN	
M	ASSEMBLY LANGUAGE	
P	PL/I	
REAL ARITHMETIC, NUMBER THEORY		
A1	71 INTERVAL ARITHMETIC (A)	CJ,14-71(447),15-72(285), 17-74(379)
COMPLEX ARITHMETIC		
A2	86 COMPLEX INTERVAL ARITHMETIC (F)	CJ,18-75(83)
OPERATIONS ON POLYNOMIALS AND POWER SERIES		
C1	446 CHEBYSHEV SERIES (F)	4-73(254),5-75(276)
C1	498 AIRY FNS USING CHEBYSHEV SERIES APPR.(F)	12-75(372)
ZEROS OF POLYNOMIALS		
C2	493 ZEROS OF A REAL POLYNOMIAL (F)	6-75(178)
C2	SOLUTION TO MACHINE PRECISION (A)	CJ,18-75(258)
SUMMATION OF SERIES, CONVERGENCE ACCELERATION		
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ORDINARY DIFFERENTIAL EQUATIONS		
D2	497 AUTO INTEG. OF FUNCTIONAL DIFF EQNS (F)	12-75(369)
D2	INTEGR. SYSTEMS WITH DISCONTINUITIES (F)	CJ,17-74(275)
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D3	494 SOLUTIONS OF SYSTEMS OF PDES (F)	9-75(261)
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E2	74 L1-NORM FIT OF STRAIGHT LINE (F)	AS,23-74(244)
E2	MULTIVARIATE LEAST-SQUARES (F)	CC,7-74(56)
E2	OFF-DIAGONAL RATIONAL APPROXIMANTS (F,A)	CC,9-75(46)
E2	85 GENERATION OF CHISHOLM APPROXIMANTS (A)	CJ,18-75(81)
SMOOTHING		
E3	73 CROSS-SPECTRUM SMOOTHING (F)	AS,23-74(238)
MINIMIZING OR MAXIMIZING A FUNCTION		
E4	47 SIMPLEX METHOD FOR FUNCTION MINIMUM (F)	AS,20-71(338),23-74(250), 23-74(252)
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F2	HERMITIAN MAT EIGENPROBLEM $H^*X=ES^*X$ (F)	CC,8-74(85)
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F4	495 OVERDETERMINED SYST IN CHEBYSHEV NORM(F)	9-75(264)
F4	82 PARTIAL PIVOTING, REDUCED STORAGE (A)	CJ,17-74(377)
F4	84 TRIDIAGONAL SYSTEMS COUPLED ALGORITHM(A)	CJ,17-74(378)
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